

ABSTRACT

The inventors investigated the impact of an 11-bp deletion in the swine Mx1 gene on the ability to suppress propagation of influenza viruses belonging to the myxovirus family, and 5 revealed that the deletion led to a complete loss of the ability to suppress viral propagation. Through the detection of the 11-bp deletion, pigs can be examined for their resistance to RNA viruses such as influenza viruses and the virus that causes PRRS.